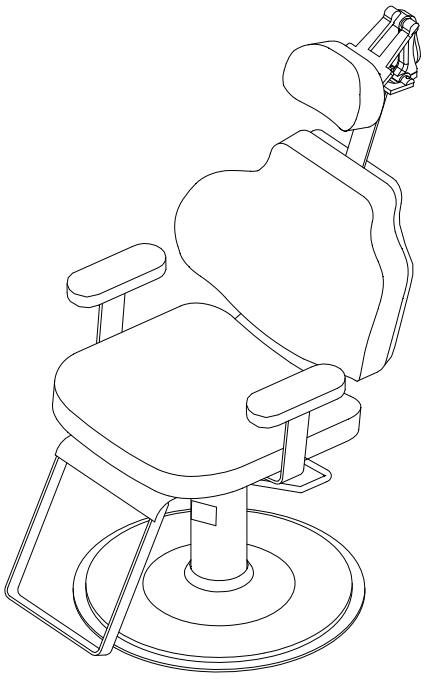
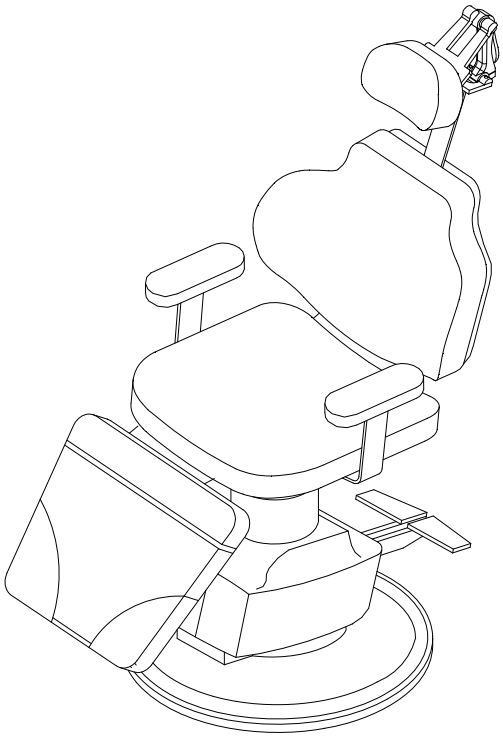
Product Information / Technical Service Manual

MODELS E-530, E-535
Exam/Records Chair



530 CHAIR (PUMP BASE)



535 CHAIR (POWER BASE)

Boyd Industries, Inc.
12900 44th Street North
Clearwater, Florida 33762
800-255-2693 * 727-561-9292
FAX: 727-561-9393

Visit our WEB Site at
www.boydind.com

May 18, 2007

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CONGRATULATIONS

ON PURCHASING A MEMBER OF THE BOYD FAMILY OF EXAM/ RECORDS CHAIRS.

BOYD INDUSTRIES HAS SPENT YEARS DESIGNING AND DEVELOPING WHAT WE FEEL ARE THE BEST PRODUCTS AVAILABLE IN THE WORLD TODAY.

APPLICATION OF PRODUCT

THIS PRODUCT IS DESIGNED FOR THE PURPOSE OF COMFORTABLY POSITIONING PATIENTS DURING MEDICAL / DENTAL EXAMINATIONS AND PROCEDURES.

CHAIR SECTIONS MOVE TO ALLOW THE MOST ADVANTAGEOUS WORKING POSITION FOR THE DOCTOR AND HIS/HER ASSISTANT(S).

WARRANTY INFORMATION

BOYD WARRANTS ITS PRODUCTS TO BE FREE FROM DEFECTS IN MATERIAL , PARTS AND WORKMANSHIP ONLY. NO OTHER WARRANTIES ARE EXPRESSED OR IMPLIED. THIS WARRANTY SHALL EXTEND FOR THREE YEARS FOR PARTS AND ONE YEAR FOR LABOR UNLESS OTHERWISE STATED. WRITTEN NOTICE OF BREACH MUST BE GIVEN TO BOYD WITHIN THIS PERIOD. BUYERS REMEDY FOR BREACH OF THIS WARRANTY IS LIMITED TO REPAIR PARTS OR REPLACEMENT ITEMS BY BOYD. THIS WARRANTY IS VOID IF ITEMS ARE CARELESSLY USED OR IMPROPERLY MAINTAINED OR INSTALLED AND NO CLAIM FOR LABOR OR CONSEQUENTIAL DAMAGES WILL BE ALLOWED.

ACCESSORIES

E-530,E-535 ACCESSORIES AVAILABLE FROM BOYD INDUSTRIES INC.

SEE SALES / ACCESSORY CATALOG FOR APPROVED ACCESSORIES.

NOTE: INSTALLATION OF UNAPPROVED ACCESSORIES WILL VOID WARRANTY AND MAY RENDER CHAIR UNSAFE.

SAFETY WARNINGS

CAUTION: RISK OF ELECTRICAL SHOCK

CAUTION: HAND CRUSH FORCE FROM REAR

CAUTION: HAND CRUSH FORCE FROM ABOVE

CAUTION: GENERAL DANGER

INFORMATIONAL: READ OPERATOR'S MANUAL

INFORMATIONAL: READ TECHNICAL MANUAL BEFORE SERVICING

SAFETY TIPS

THIS PRODUCT HAS BEEN DESIGNED AND TESTED WITH YOUR SAFETY IN MIND. IMPROPER USE CAN RESULT IN ELECTRIC SHOCK OR OTHER PHYSICAL INJURIES. DO NOT DEFEAT THE SAFEGUARDS THAT HAVE BEEN DESIGNED INTO THIS PRODUCT. PLEASE READ AND OBSERVE THE FOLLOWING SAFETY POINTS WHEN INSTALLING AND OPERATING THIS PRODUCT AND SAVE THIS MANUAL AND ALL SUPPLEMENTAL LITERATURE FOR FUTURE REFERENCE. OBSERVING PRECAUTIONS LISTED IN THIS BOOKLET WILL HELP YOU GET MANY YEARS OF SERVICE AND SAFE OPERATION FROM YOUR EQUIPMENT.

1) READ INSTRUCTIONS:
   ALL SAFETY AND OPERATING INSTRUCTIONS SHOULD BE READ BEFORE THIS PRODUCT IS OPERATED.

2) FOLLOW INSTRUCTIONS:
   ALL USE AND OPERATING INSTRUCTIONS SHOULD BE FOLLOWED.

3) OWNERS MANUAL:
   RETAIN SAFETY AND OPERATING INSTRUCTIONS FOR FUTURE REFERENCE.

4) HEED WARNINGS:
   ADHERE TO ALL WARNINGS ON EQUIPMENT AND IN OWNER'S MANUAL.

5) ACCESSORIES:
   DO NOT USE ANY ACCESSORIES NOT RECOMMENDED BY THE MANUFACTURER AS THEY MIGHT CAUSE HAZARDS.

6) CLEANING:
   USE MILD DETERGENT IN WATER ON ALL PAINTED SURFACES AND PLASTIC PARTS.
   USE ONLY CLEANERS SPECIFICALLY DESIGNED FOR CLEANING / DISINFECTING VINYL UPHOLSTERY.
   REFER TO VINYL MANUFACTURER'S DOCUMENTATION FOR SPECIFIC CLEANING INFORMATION.

7) LINE CORD:
   THIS PRODUCT IS EQUIPPED WITH A POLARIZED, GROUNDED, ALTERNATING CURRENT LINE PLUG. THIS PLUG WILL FIT INTO THE POWER OUTLET ONLY ONE WAY. THIS IS A SAFETY FEATURE. IF YOU ARE UNABLE TO INSERT THE PLUG INTO YOUR OUTLET, CONTACT A LOCAL ELECTRICIAN TO REPLACE YOUR OBSOLETE A/C OUTLET.

8) POWER CORD PROTECTION:

POWER SUPPLY CORDS SHOULD BE ROUTED SO THAT THEY ARE NOT WALKED ON OR PINCHED BY ANY OTHER EQUIPMENT PLACED UPON OR AGAINST THEM. PAY CLOSE ATTENTION TO CORDS AT PLUGS, CONVENIENCE RECEPTACLES, AND WHERE THEY EXIT THE EQUIPMENT.

9) LIQUID AND OBJECT ENTRY:

NEVER INTENTIONALLY SPILL OR POUR LIQUIDS OF ANY KIND ON THIS EQUIPMENT. NEVER PUSH OBJECTS OF ANY TYPE INTO OPENINGS AS THEY COULD TOUCH MOVING PARTS OR DANGEROUS VOLTAGE POINTS INSIDE EQUIPMENT WHICH COULD CAUSE FIRE HAZARD, ELECTRIC SHOCK, AND/OR BODILY INJURY.

10) SERVICING:

DO NOT ATTEMPT TO SERVICE THIS PRODUCT YOURSELF. THIS ACTION WILL VOID ANY WARRANTIES. OPENING COVERS COULD EXPOSE YOU TO DANGEROUS CURRENT AND MECHANICAL PINCH POINTS. SERVICE SHOULD ONLY BE PERFORMED BY QUALIFIED SERVICE PERSONNEL. CONTACT THE FACTORY FOR AUTHORIZED SERVICE FACILITIES IN YOUR AREA.

11) DAMAGE OR FAILURES REQUIRING SERVICE:

UNPLUG EQUIPMENT FROM POWER SOURCE AND REFER TO SERVICE QUALIFIED PERSONS IF ANY OF THE FOLLOWING OCCUR.

* POWER SUPPLY CORD IS DAMAGED.
* LIQUID HAS BEEN SPILLED INTO EQUIPMENT.
* OBJECTS HAVE FALLEN INTO EQUIPMENT.
* EQUIPMENT HAS BEEN EXPOSED TO RAIN OR WATER.
* EQUIPMENT HAS BEEN DROPPED OR DAMAGED.
* EQUIPMENT SHOWS SIGNIFICANT CHANGE IN OPERATION.
* EQUIPMENT DOES NOT OPERATE NORMALLY.

12) REPLACEMENT PARTS:

IF REPLACEMENT PARTS ARE REQUIRED, PARTS SHOULD BE SUPPLIED OR APPROVED BY THE MANUFACTURER. UNAUTHORIZED SUBSTITUTIONS COULD RESULT IN ELECTRICAL SHOCK, FIRE HAZARD, AND/OR BODILY INJURY.

13) SAFETY CHECKS:

UPON THE COMPLETION OF ANY SERVICE TO EQUIPMENT, SERVICE PERSONNEL MUST PERFORM SAFETY CHECKS TO INSURE THAT ALL EQUIPMENT IS FUNCTIONING PROPERLY AND SAFELY.

14) HEAT / OPEN FLAME:

EQUIPMENT SHOULD BE INSTALLED AWAY FROM HEAT SOURCES SUCH AS RADIATORS, HEAT REGISTERS, STOVES, OR OTHER PRODUCTS THAT PRODUCE HEAT OR OPEN FLAMES. THERE SHOULD BE NO SMOKING IN A ROOM WHERE THIS EQUIPMENT WILL BE OPERATED OR STORED.

DESCRIPTION OF PRODUCT LINE

STANDARD SAFETY FEATURES

MODEL E 530
STANDARD FEATURES

WINGED BACK , STEEL FRAME, MANUAL SYNCHRONIZED BACK AND TOE, PILLOW PROSTHETIC HEADREST (PH-9), 360 DEGREE BASE SWIVEL, ADJUSTABLE HEIGHT ARMS, MANUAL PUMP BASE.

MODEL E-535
STANDARD FEATURES

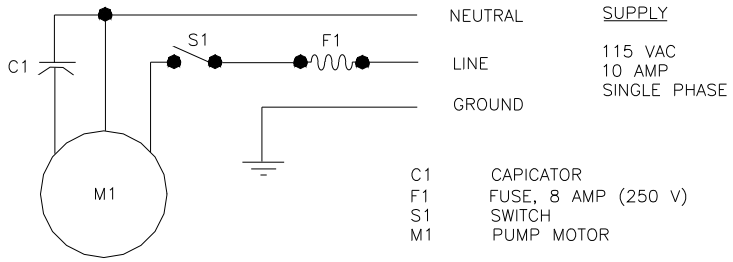
WINGED BACK, STEEL FRAME, MANUAL SYNCHRONIZED BACK AND TOE, PILLOW PROSTHETIC HEADREST (PH-9), 360 DEGREE BASE SWIVEL, ADJUSTABLE HEIGHT ARMS, ELECTRIC BASE.

GENERAL PRODUCT INFORMATION

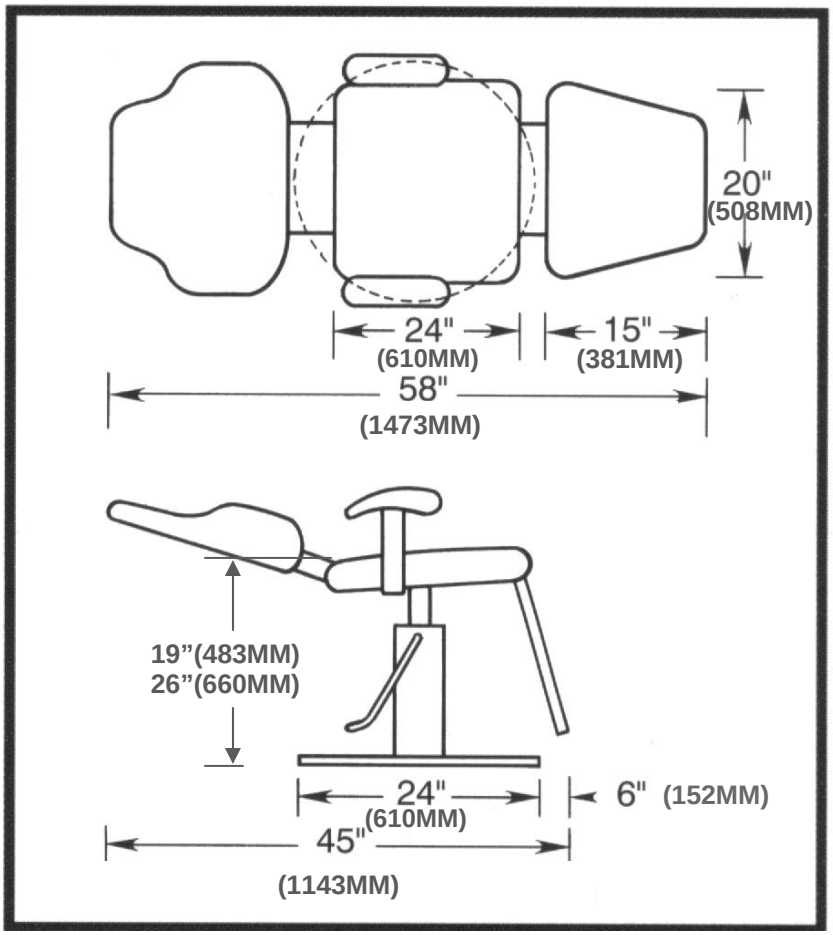
CHASSIS	WELDED STEEL FRAME
UPHOLSTERY	STANDARD UPHOLSTERY IS VINYL; UPGRADES ARE AVAILABLE
MOVEMENTS	PUMP BASE 19” - 26” (482MM-660MM) ELECTRIC BASE 19” - 26-1/2” (482MM-673MM)
NET WEIGHT	120 LBS (59K)
POWER SUPPLY	115 VAC. 1 PHASE, 10 AMP (MODEL 535) NONE FOR MODEL 530
OPERATION MODE	INTERMITTENT DUTY 10% 6 MIN ON / 60 MIN OFF
WEIGHT CAPACITY	400lbs (181kg) NORMAL WEIGHT DISTRIBUTION WITH PATIENT SITTING IN CHAIR NOTE: DO NOT SIT ON BACK OR TOE SECTION. BACK AND TOE SECTIONS ARE NOT DESIGNED TO SUPPORT FULL WEIGHT OF PATIENT.

DESCRIPTION OF PRODUCT LINE

WIRING DIAGRAM



PRODUCT DIMENSIONS



UNPACKING

PRE ASSEMBLY CHECK — UNPACK SHIPPING CARTONS CAREFULLY AND CHECK TO SEE THAT ALL PARTS ARE RECEIVED AND HAVE NOT BEEN DAMAGED DURING SHIPPING.

CAUTION: CHAIR SHOULD BE LIFTED FROM BELOW MAIN SEAT. DO NOT AT ANYTIME MOVE CHAIR BY LIFTING ON BACK, TOE SECTION, OR ARMS.

COMPLETE CHAIR: CHAIR AND BASE ASSEMBLED, WITH UPHOLSTERY HEADREST
ACCESSORIES (I.E. ARMS, LIGHTPOST, ETC...)
OWNER'S / OPERATOR'S MANUAL

INSTALLATION INSTRUCTIONS

LOCATION: LIFE SIZE TEMPLATES ARE AVAILABLE UPON REQUEST FOR LAYING OUT LOCATION OF CHAIR PRIOR TO ACTUAL INSTALLATION

1) POSITION CHAIR AS DESIRED.
2) INSURE ALL SAFETY COVERS ARE IN PLACE .
3) PLUG CHAIR INTO REQUIRED VOLTAGE OUTLET. (535 MODELS ONLY)

NOTE: CHAIR SHOULD BE PLUGGED INTO HOSPITAL GRADE GROUNDED RECEPTACLE ONLY

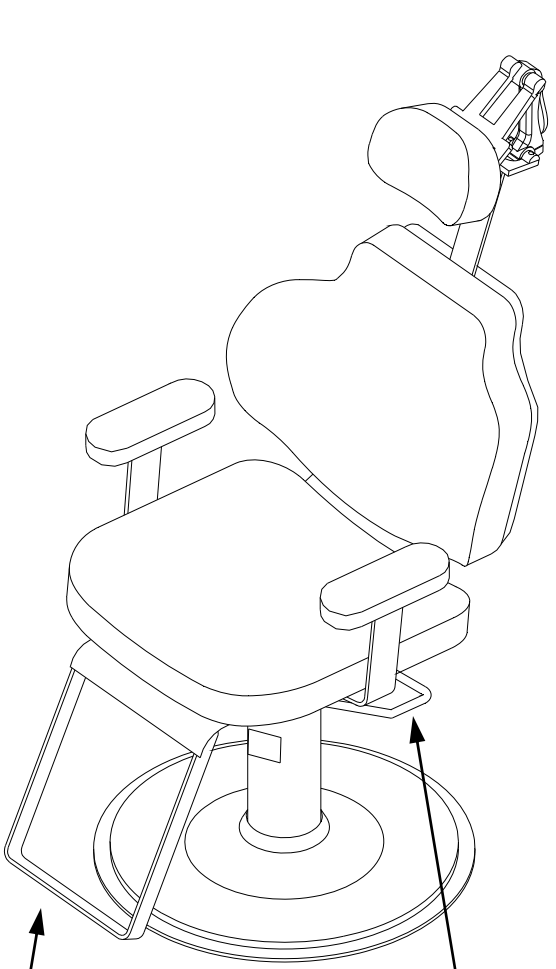
4) PERFORM SAFETY AND OPERATIONAL CHECK.
5) IF CHAIR DOES NOT OPERATE CORRECTLY, SEE THE "TROUBLE SHOOTING" SECTION OF THIS MANUAL.

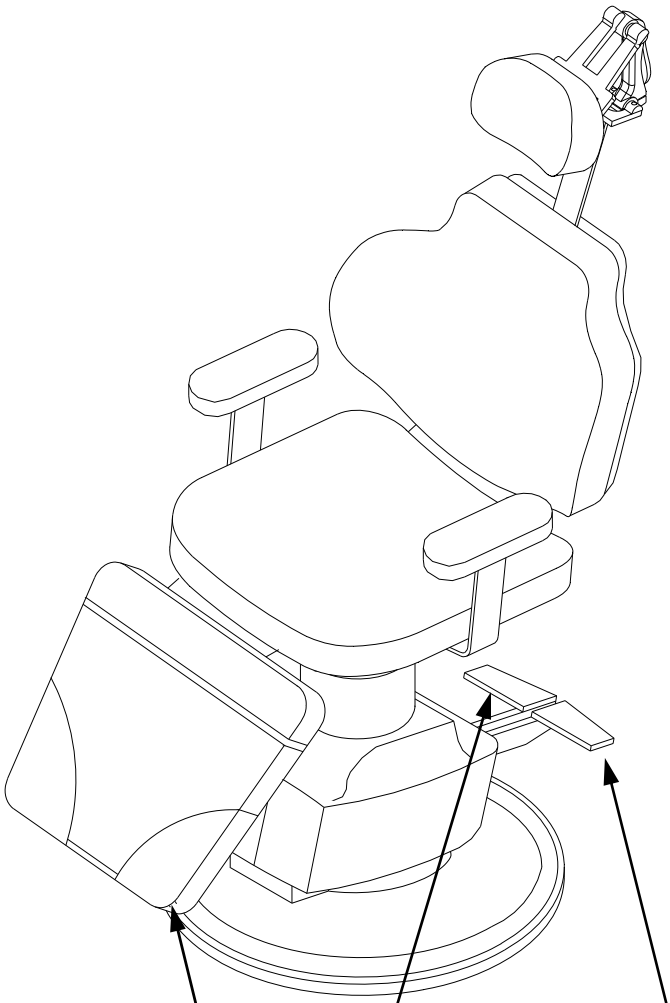
POWER REQUIREMENTS

CHECK CHAIR SERIAL TAG LOCATED ON UNDERSIDE FRONT OF SEAT FOR REQUIRED VOLTAGE SPECIFICATIONS. (535 MODELS ONLY)

115 VOLT MODELS
115-120 VAC ~ 60 Hz
10 AMP

ILLUSTRATED CONTROLS FOR THE E-530/535 CHAIR





FOOT TREADLE OPTION

PUMP BASE
PUMP UP AND DOWN TO RAISE THE SEAT. PUSH AND HOLD DOWN TO LOWER SEAT.

SYNCHRONIZED FOOT
UPHOLSTERED FOOT SECTION RAISES AS BACK IS LOWERED.

BASE UP PEDAL
PUSH PEDAL DOWN TO RAISE CHAIR

BASE DOWN PEDAL
PUSH PEDAL DOWN TO LOWER CHAIR

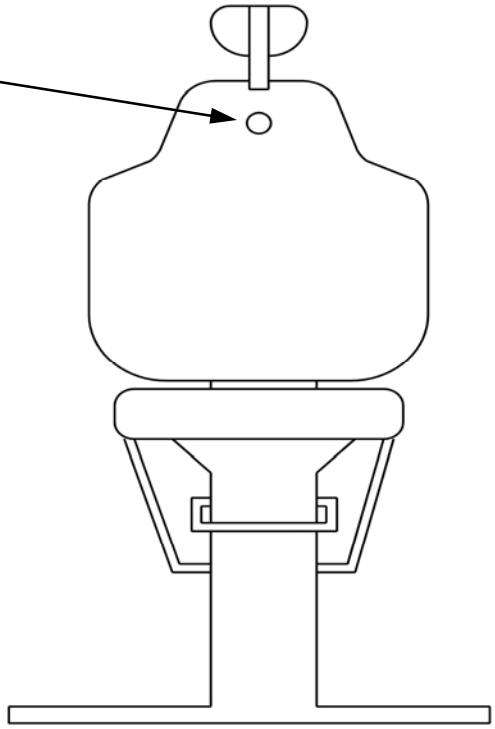
*LIFT EITHER PEDAL TO LOCK

OPERATING E-530,E535 SERIES CHAIR CONTINUED

ILLUSTRATED HEADREST RELEASE

HEADREST OPERATION:

LOOSEN THE HEADREST KNOB AND PUSH THE BAR INTO THE SLOT.



HEADREST HEIGHT ADJUSTMENT:

TO ADJUST THE HEIGHT OF THE HEADREST SUPPORT THE HEADREST WITH ONE HAND AND LOOSEN THE HEADREST KNOB WITH THE OTHER. MOVE THE HEADREST TO DESIRED HEIGHT AND TIGHTEN THE HEADREST KNOB

CAUTION:

IT IS RECOMMENDED THAT YOU ADJUST THE HEADREST HEIGHT BEFORE LOWERING THE BACK.

WHEN HEADREST ADJUSTMENT IS NECESSARY WITH PATIENT SEATED, BE SURE TO SUPPORT THE PATIENT'S HEAD AND NECK AT ALL TIMES WHILE ADJUSTMENT IS BEING DONE.

GENERAL MAINTENANCE AND CARE

CLEANING

IT IS RECOMMENDED THAT THE CHAIR AND EQUIPMENT BE THOROUGHLY CLEANED AND DISINFECTED AFTER EACH PATIENT. USE ONLY CLEANERS AND DISINFECTANTS APPROVED FOR CLEANING VINYL. DO NOT USE STRONG OR HARSH CLEANERS SUCH AS: 409, OR MR. CLEAN. THEY WILL CAUSE THE VINYL COLOR TO FADE. APPLY THE CLEANER TO A TOWEL, NOT DIRECTLY TO THE VINYL. A SPECIALLY FORMULATED VINYL CONDITIONER IS AVAILABLE FROM BOYD INDUSTRIES, INCORPORATED. REFER TO VINYL MANUFACTURER'S DATA FOR SPECIFIC CLEANING INSTRUCTIONS.

INFECTION CONTROL

ALL ESTABLISHED INFECTION CONTROL POLICIES SHOULD BE FOLLOWED. ALL WORK SURFACES AND PATIENT CONTACT SURFACES SHOULD BE DISINFECTED BETWEEN PATIENTS AND AT THE END OF THE DAY USING A PRODUCT THAT IS EPA REGISTERED AS 'HOSPITAL DISINFECTANT' AND LABELED FOR 'TUBERCULOCIDAL' ACTIVITY. TWO SUCH PRODUCTS ARE:
TRI-CIDE (800)342-3096
MEDOCADCIO (800)777-7072

TECHNICAL SERVICE

FOR PARTS, SERVICE, OR TECHNICAL INFORMATION CONTACT:

USA / CANADA:

Boyd Industries, Inc.
12900 44th Street North
Clearwater, Florida USA 33762
tel: 1-727-561-0517
1-888-315-2693
fax: 1-727-561-0137

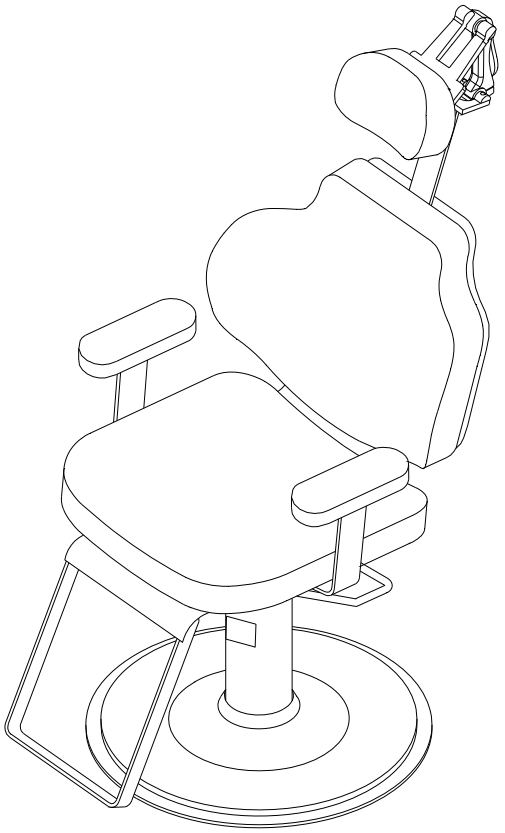
EUROPE

Yellowstone
WILGENLAAN 15
2610 WILRIJK, BELGIUM
tel: (32) 03.827.78.88
fax: (32) 03.827.54.55

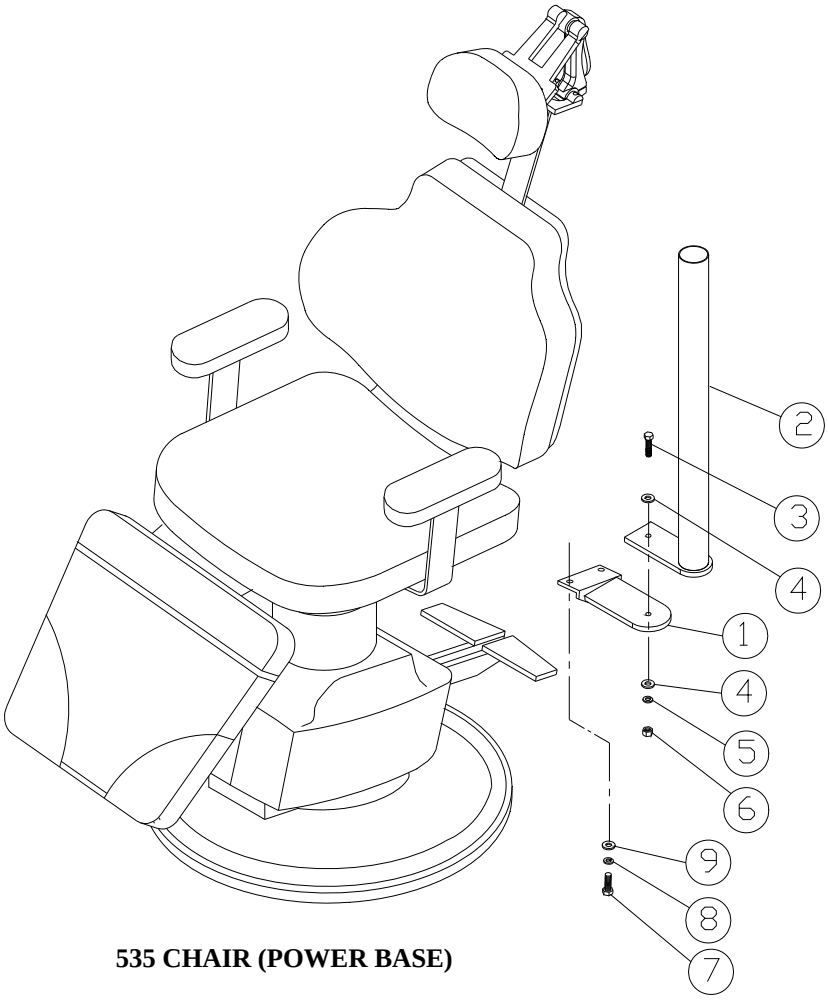
SPAIN

Ortho Apparel S.L.
Monte Del Batan, 11
URB Monte Escorial
28200 S.L. Escorial
Madrid, Spain 28200
011-34-689-46321

PARTS BREAKDOWN LIGHT POST FOR E-530, E-535
LEFT HAND P/N 95-5520—RIGHT HAND P/N 95-5521



530 CHAIR (PUMP BASE)



535 CHAIR (POWER BASE)

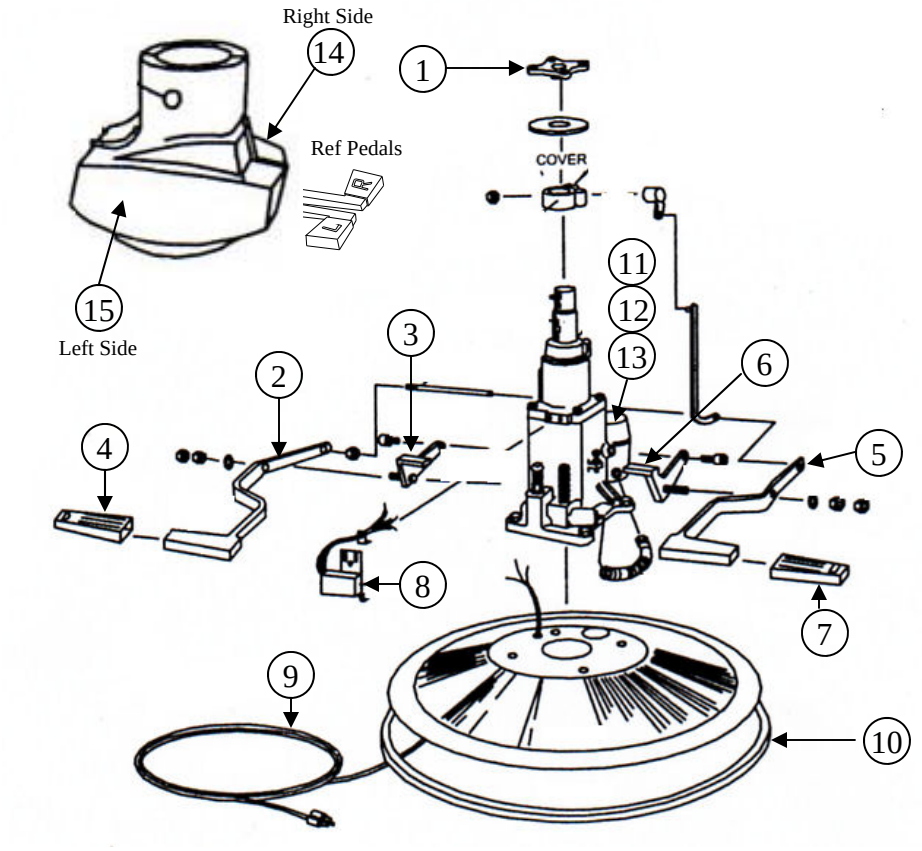
NOTES:
1. LEFT SIDE LIGHTPOST INSTALLATION IS SHOWN
2. CHAIRS CAN HAVE EITHER FOOT TREDLE OR UPHOLSTERED LEG SUPPOST
3. ITEM 10 IS REQUIRED IF FOOT TREDLE IS USED

ITEM #	ITEM DESCRIPTION	BOYD #
1	LP MOUNTING BRACKET, LEFT HAND (SHOWN)	91-6716
1	LP MOUNTING BRACKET, RIGHT HAND (NOT SHOWN)	91-6717
2	LIGHT POST W/ MOUNTING BAR	95-5509
3	HEX 3/8-16 X 1-1/2 GR5	59-1862
4	WASHER FLT 3/8" SAE	59-7059
5	WASHER , LOCK 3/8"	59-7067
6	NUT, HEX, 3/8-16	59-2028
7	HEX 5/16-16 X 1-1/2 GR5	59-1852
8	WASHER, LOCK 5/16"	59-7066
9	WASHER FLT 5/16"	59-7061
10	SPACER: 525 L/P W/TREDLE	90-6717

Electric Lift Base P/N 15-8100

	1	Seat Support	91-8010
	2	Down Pedal, Left	60-8141
	3	Control Lever, Left	60-8123
	4	Pedal Cover, Left	60-8141
	5	Down Pedal, Right	60-8142
	6	Control Lever, Right	60-8122
	7	Pedal Cover, Right	60-8142
	8	Micro Switch	60-8128
	9	Power Cord	10-1429
	10	Base Ring, Rubber	60-8131
	11	Motor / Pump Ass'y.	60-8136
*	12	Capacitor, Motor	60-8109
*	13	Hose, Pump	60-8126
	14	Cover, Base, Left	50-1102R
	15	Cover, Base, Right	50-1102L
*	16	Fuse, 6 Amp	10-0282

* Not Shown



PARTS BREAKDOWN 530/535 WITH TREADLE

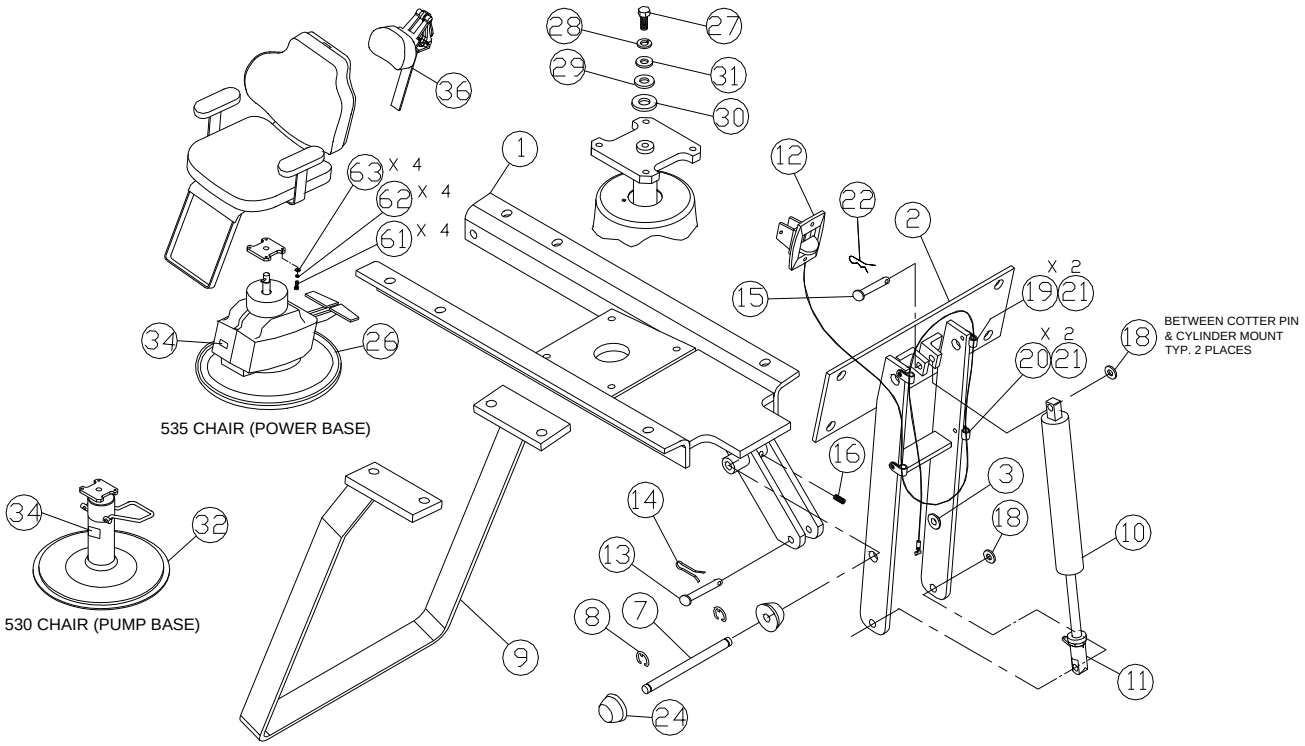


FIGURE 15 A

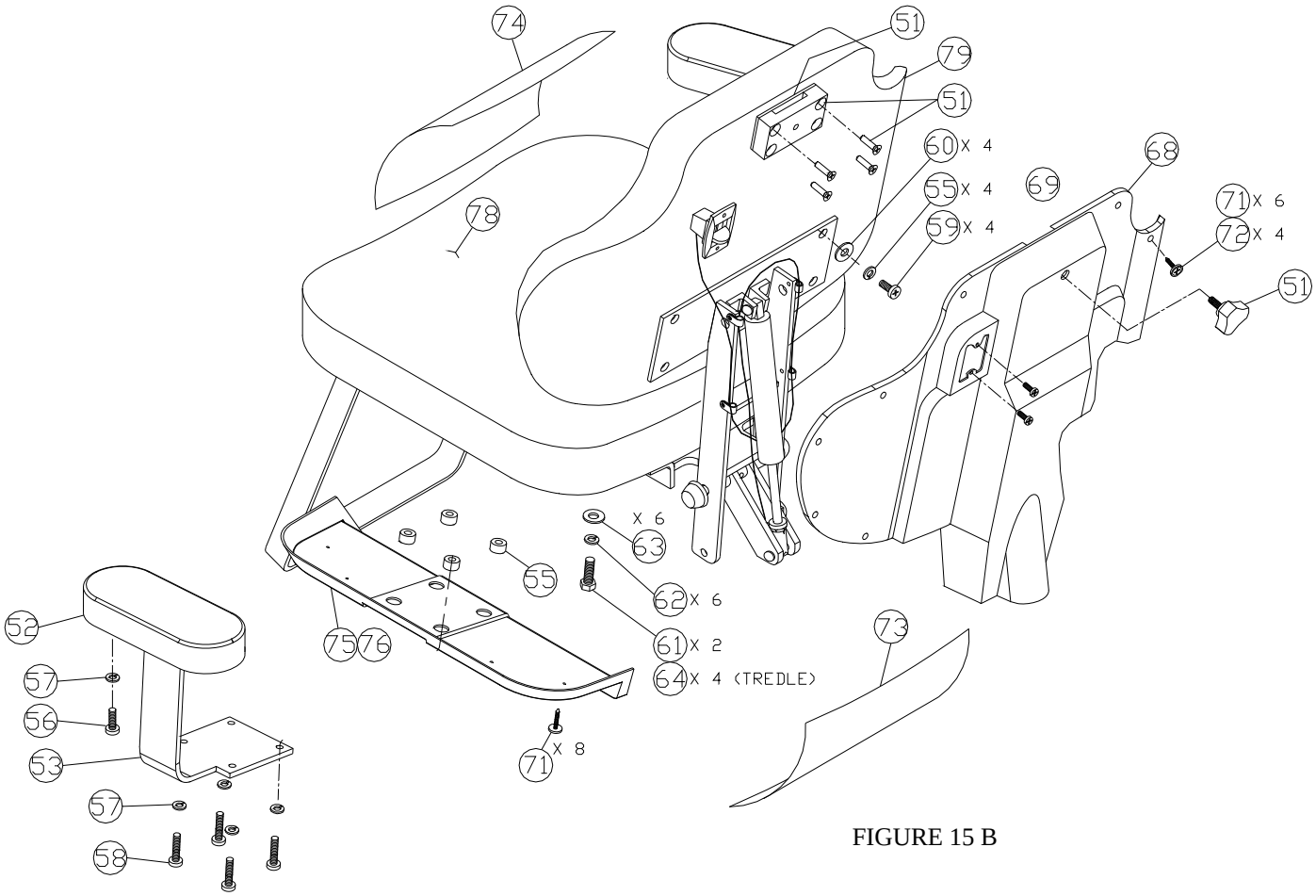


FIGURE 15 B

ITEM	530/535 WITH TREADLE ITEM	PART NO.
1	WELDMENT: 530/535 SEAT FRAME-PUTTY	91-0975P
2	WELDMENT: 530/535 BACK FRAME-PUTTY	91-0974P
3	BUSHING,NYLON TOE HINGE	50-2184
4	TREDLE,FOOT 525 (C)	93-5025
7	PIN (ELEV. BAR 525/535 W/TOE)	90-5217
8	CLIP: RETAING 3/8 E-STYLE	60-3162
9	BUSHING,BRONZE	60-3732
10	CYLINDER: LOCKING GAS	60-1487
11	CABLE RELEASE: CYLINDER 8MM	60-1488
12	FLEX CABLE: 48" W/RELEASE	60-1489
13	CLEVIS PIN: 5/16 X 1 3/4 S.S.	59-8134
14	COTTER PIN: 1/8" X 1"	59-8126
16	SET 10 - 24 X 1/4	59-5989
17	YOKE	59-9523
18	WASHER: FLAT, 5/8" SAE SS	59-7144
19	CLAMP: CABLE, NYLON, 1/4"	10-3403
20	CLAMP: CABLE NYL 1/8"	10-3419
21	PHIL PAN 10-24 X 1/2	59-4839
22	HAIRPIN COTTER: .093 X 1 5/8"	59-8138
23	WASHER: NYLON	50-2173
24	NUT: PUSH 3/8"	59-2042
26	ASSEMBLY: POWER BASE-PUTTY	15-8101
27	HEX 3/8 - 16 X 1 GR5	59-1860
28	WASHER: LOCK, 3/8"	59-7067
29	WASHER: FLAT, 1/2" SAE	59-7063
30	WASHER: FLAT, 1/2" USS	59-7068
31	WASHER: FLAT, 3/8" SAE	59-7059

ITEM	530/535 WITH TREADLE ITEM	PART NO.
32	BASE: PUMP	60-8000
34	DECAL: BOYD LOGO	60-1600
36	HEADREST: PH9 (2006)	67-1528
37	VINYL CONDITIONER (CAN)	70-2701
51	HEADREST HARDWARE 500 SERIES	67-1499
52	UPHOLSTERY, ARM 535 CHAIR	67-2947
53	WELDMENT: ARM L. 535 CHAIR	91-1943L
54	WELDMENT: ARM R. 535 CHAIR	91-1943R
55	SPACER: SEAT RAIL	50-2189
56	PHIL PAN 1/4-20 X 1”	59-4833
57	WASHER: LOCK, 1/4"	59-7065
58	PHIL PAN 1/4-20 X 1-1/2”	59-4834
59	PHIL PAN 1/4-20 X 3/4	59-4831
60	WASHER: FLAT 1/4”	59-7060
61	HEX:5/16-18X1”	59-1850
62	WASHER: LOCK, 5/16"	59-7066
63	WASHER: FLAT, 5/16"	59-7061
64	HEX 5/16 - 18 X 1 1/4 GR5	59-1851
68	BACK COVER: 535 PUTTY	50-1101P
69	PHIL PAN: 8-18 X 1/2 TYPE B	59-4858
71	WOOD,WAFER HD #8 X 1	59-6170
72	WOOD WAFER HD #8 X 3/4	59-6165
73	POCKET: BACK 500 SERIES	67-5201
74	POCKET: TOE 500 SERIES	67-5202
75	SEAT COVER: (LEFT) 500 SERIES	50-1095P
76	SEAT COVER: RIGHT 500 SERIES-PUTTY	50-1096P
78	SEAT UPH: CURVED 500 SERIES	67-5200
79	BACK UPH: CURVED 500 SERIES	67-5210

PARTS BREAKDOWN 530/535 WITH UPHOLSTERED TOE

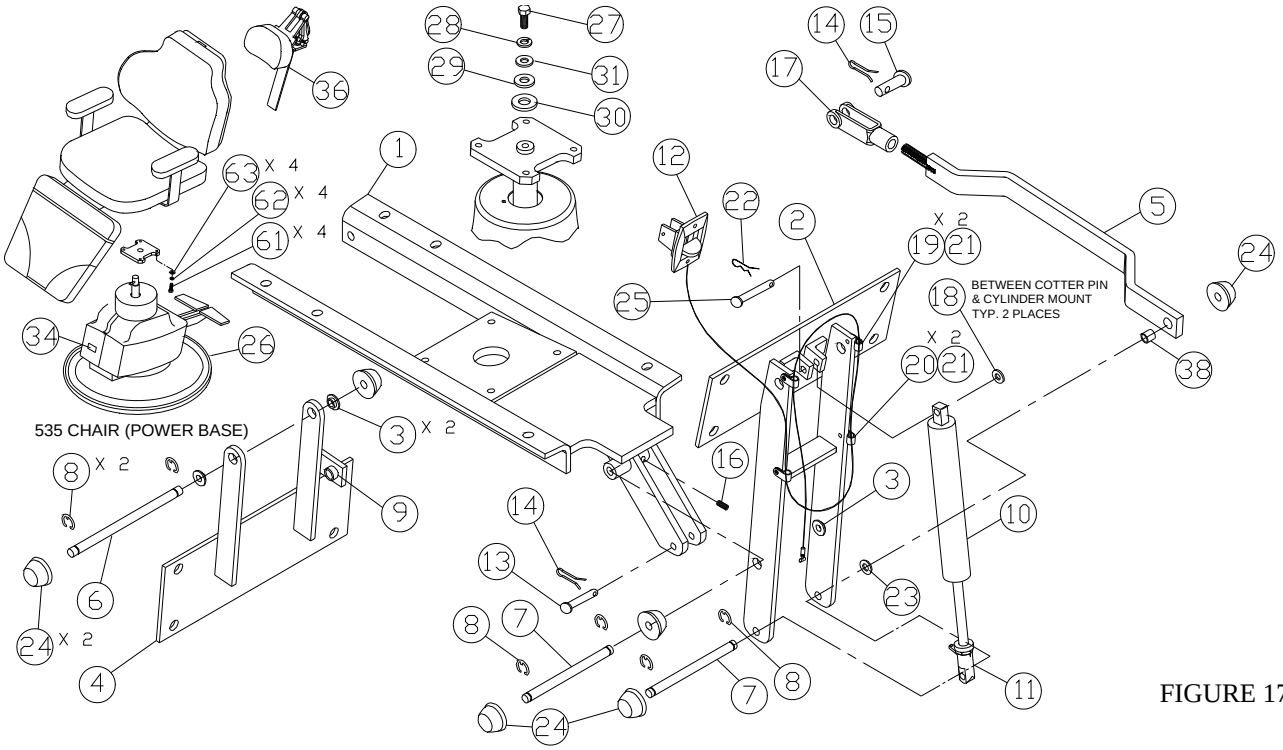


FIGURE 17A

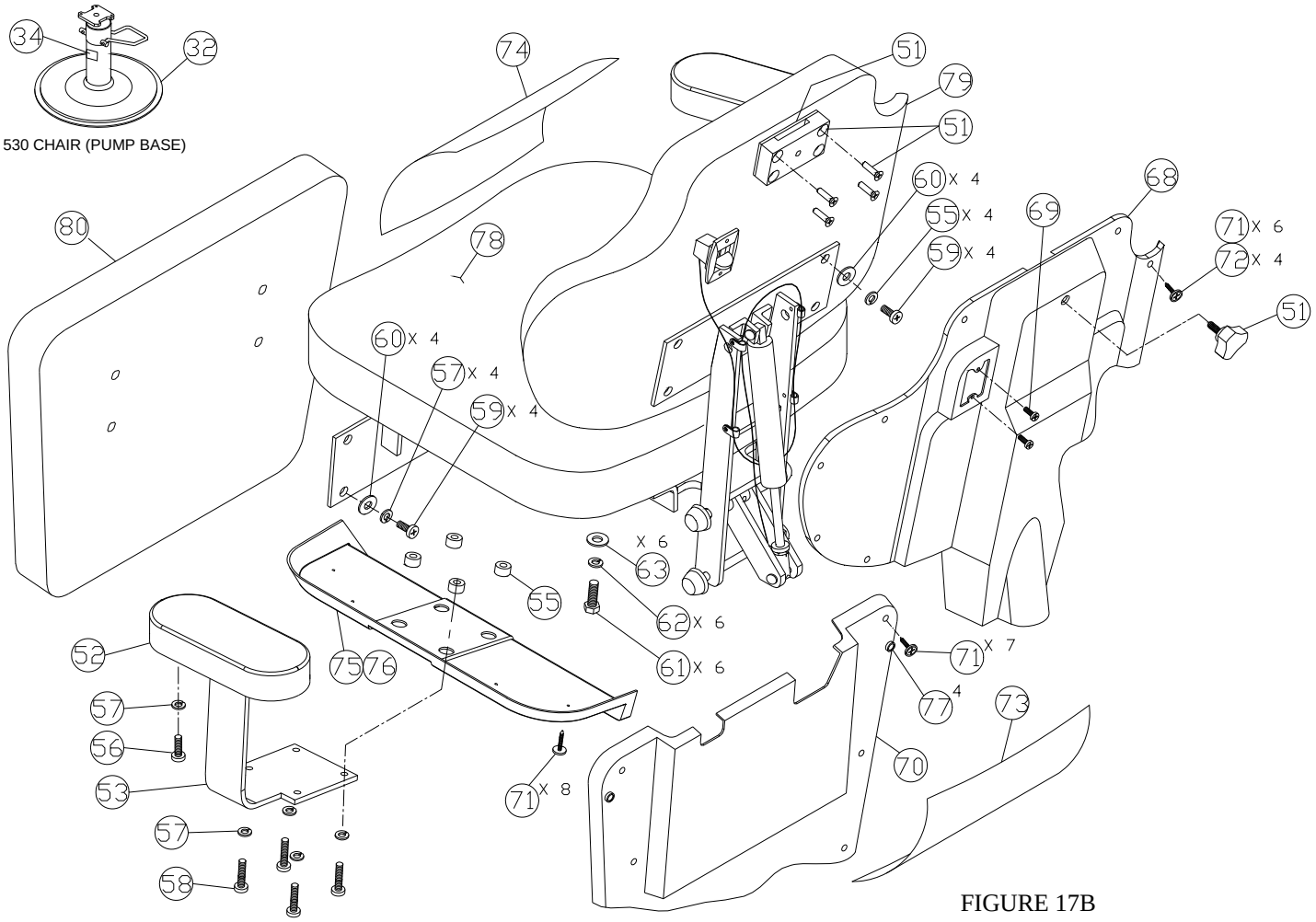


FIGURE 17B

ITEM NO.	530/535 WITH TREADLE ITEM	PART NO.
1	WELDMENT: 530/535 SEAT FRAME-PUTTY	91-0975P
2	WELDMENT: 530/535 BACK FRAME-PUTTY	91-0974P
3	BUSHING,NYLON TOE HINGE	50-2184
4	TOE FRAME 525/535 –PUTTY	91-5210P
5	ELEVATION BAR: 525/530/535-PUTTY	91-5215P
6	PIN (TOE HINGE 525/535 W/TOE)	90-5218
7	PIN (ELEV. BAR 525/535 W/TOE)	90-5217
8	CLIP: RETAING 3/8 E-STYLE	60-3162
9	BUSHING,BRONZE	60-3732
10	CYLINDER: LOCKING GAS	60-1487
11	CABLE RELEASE: CYLINDER 8MM	60-1488
12	FLEX CABLE: 48" W/RELEASE	60-1489
13	CLEVIS PIN: 5/16 X 1 3/4 S.S.	59-8134
14	COTTER PIN: 1/8" X 1"	59-8126
15	CLEVIS PIN: 7/16" X 1 1/4	59-8120
16	SET 10 - 24 X 1/4	59-5989
17	YOKE	59-9523
18	WASHER: FLAT, 5/8" SAE SS	59-7144
19	CLAMP: CABLE, NYLON, 1/4"	10-3403
20	CLAMP: CABLE NYL 1/8"	10-3419
21	PHIL PAN 10-24 X 1/2	59-4839
22	HAIRPIN COTTER: .093 X 1 5/8"	59-8138
23	WASHER: NYLON	50-2173
24	NUT: PUSH 3/8"	59-2042
25	CLEVIS PIN 5/15” X 1-1/2” STAINLESS	59-8135
26	ASSEMBLY: POWER BASE	15-8101
27	HEX 3/8 - 16 X 1 GR5	59-1860
28	WASHER: LOCK, 3/8"	59-7067
29	WASHER: FLAT, 1/2" SAE	59-7063
30	WASHER: FLAT, 1/2" USS	59-7068

ITEM NO.	530/535 WITH TREADLE ITEM	PART NO.
31	WASHER: FLAT, 3/8" SAE	59-7059
32	BASE: PUMP	60-8000
34	DECAL: BOYD LOGO	60-1600
36	HEADREST: PH9 (2006)	67-1528
37	VINYL CONDITIONER (CAN)	70-2701
51	HEADREST HARDWARE 500 SERIES	67-1499
52	UPHOLSTERY, ARM 535 CHAIR	67-2947
53	WELDMENT: ARM L. 535 CHAIR	91-1943L
54	WELDMENT: ARM R. 535 CHAIR	91-1943R
55	SPACER: SEAT RAIL	50-2189
56	PHIL PAN 1/4-20 X 1”	59-4833
57	WASHER: LOCK, 1/4"	59-7065
58	PHIL PAN 1/4-20 X 1 1/2	59-4834
59	PHIL PAN 1/4-20 X 3/4	59-4831
60	WASHER: FLAT, 1/4"	59-7060
61	HEX: 5/16-18X1”	59-1850
62	WASHER: LOCK, 5/16"	59-7066
63	WASHER: FLAT, 5/16"	59-7061
68	BACK COVER: 535 PUTTY	50-1101P
69	PHIL PAN: 8-18 X 1/2 TYPE B	59-4858
70	FOOT COVER: 535 PUTTY	50-1093P
71	WOOD,WAFER HD #8 X 1	59-6170
72	WOOD WAFER HD #8 X 3/4	59-6165
73	POCKET: BACK 500 SERIES	67-5201
74	POCKET: TOE 500 SERIES	67-5202
75	SEAT COVER: (LEFT) 535 PUTTY	50-1095P
76	SEAT COVER: (RIGHT) 535 PUTTY	50-1096P
77	SNAP,SCREW MALE	60-1121
78	SEAT UPH: CURVED 500 SERIES	67-5200
79	BACK UPH: CURVED 500 SERIES	67-5210
80	TOE UPH: 525	67-5215

TROUBLE SHOOTING GUIDE

.**PROBLEM**	**POSSIBLE CAUSE**	**CORRECTION**
BASE WILL NOT RAISE	LOOSE AC CORD	CONNECT
	TRIPPED CIRCUIT BREAKER FOR WALL OUTLET	RESET
	BLOWN FUSE IN BASE	REPLACE
	INOPERATIVE MOTOR	REPAIR OR REPLACE
BASE WILL NOT LOCK	LOOSE LOCKING MECHANISM	REMOVE PLASTIC COVER AND ADJUST
	BROKEN LEVER	REPLACE
BASE JERKS DURING OPERATION	VENT PLUG NOT REMOVED	REMOVE VENT PLUG
	HYDRAULIC FLUID LOW	SERVICE AS REQUIRED: CHECK FOR LEAKS
BACK WILL NOT GO DOWN	BROKEN BACK MECHANISM	REPLACE
ARM WILL NOT ADJUST	BROKEN MECHANISM	REPLACE
	STRIPPED KNOB	REPLACE
CHAIR WOBBLES	UNEVEN FLOOR	
	BROKEN SEAT PLATE *	REPLACE
		*NOTE: DO NOT USE CHAIR UNTIL PLATE IS REPAIRED

MOTOR PUMP SHAFT

1. AT THE VERY TOP OF THE FULL 8” LIFT, THE SHAFT WILL SINK APPROXIMATELY 1/4”. AT THIS POINT, PRESSURIZED OIL ESCAPES THROUGH THE BYPASS HOLE INSIDE THE CYLINDER AND RETURNS TO THE TANK. THIS IS NOT FAULTY FUNCTIONING OF THE PUMP. IT ACTUALLY PREVENTS THE SHAFT FROM COMING OUT OF THE CYLINDER.

2 IF FOR ANY REASON THE CHAIR TOP MUST BE SEPARATED FROM THE BASE
   a. LOCK THE SHAFT FIRST.
   b. HIT SEAT SUPPORT UPWARD WITH HAMMER SO THAT TAPER FIT WILL BE RELEASED FROM SUPPORT.

3. DO NOT TAKE OUT SHAFT FROM PUMP. IF SHAFT MUST BE REMOVED FOR ANY REASON, REPLACE IT IMMEDIATELY TO PREVENT OIL LEAKAGE

4. WHEN PEDALS ARE DEPRESSED FOR UP OR DOWN, LOCKING WILL AUTOMATICALLY RELEASE.

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